

Date: Wednesday, 3/26/2008 9:52:40 AM  
 User: Kim Johnston

## Process Sheet

Customer : CU-DAR001 Dart Helicopters Services	Drawing Name : WEARSHOE
Job Number : 38162	
Estimate Number : 12734	
P.O. Number :	Part Number : D353525
This Issue : 3/26/2008 S.O. No. :	Drawing Number : D3535 REV B
Prsht Rev. : NC	Project Number : N/A
First Issue : / / Type : SMALL /MED FAB	Drawing Revision : B
Previous Run : 37898	Material :
Written By :	Due Date : 4/1/2008 Qty: 20 Um: Each
Checked & Approved By : <u>JD 08.3.27</u>	
Comment : Est Rev:A New Issue 07-02-15 JLM	
Est Rev:B As per Rev B 07-08-31 JLM Verified By:EC	

## Additional Product

Job Number:



Seq. #:	Machine Or Operation:	Description :
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1.0	M304S20GA	304/316 .040 Sheet
-----	-----------	--------------------



12.316



Comment: Qty.: 0.5355 sf(s)/Unit Total : 10.7100 sf(s)  
 304/316 .040 Sheet  
 (M304S20GA)  
 Batch: 106748 B 8-3-31

2.0	WATER JET	FLOW WATER JET
-----	-----------	----------------



Comment: FLOW WATER JET  
 1-Cut as per Dwg D3535  
 Dwg Rev: B  
 Prog Rev: B

B 8-3-31

(23)

2-Deburr if necessary B 8-3-31

3.0	QC2	INSPECT PARTS AS THEY COME OFF MACHINE
-----	-----	--

B 8-3-31

Comment: INSPECT PARTS AS THEY COME OFF MACHINE

4.0	QC8	SECOND CHECK
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Comment: SECOND CHECK

08/03/03 (23)

5.0	BRAKE NC	NC BRAKE
-----	----------	----------



Comment: NC BRAKE

1-Form on CNC Brake as per Dwg D3535 using Jigs DT8261 and DT8326  
 2-Form joggle on Punch as per Dwg D3535 using Jig DT8158 Identify as D3535-25

08/04/02 (23)  
08/04/03 (23)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Date: Wednesday, 3/26/2008 9:52:40 AM  
User: Kim Johnston

## Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: WEARSHOE

Job Number: 38162

Part Number: D353525

Job Number:



Seq. #:

Machine Or Operation:

Description :

6.0

QC5

INSPECT WORK TO CURRENT STEP



Comment: INSPECT WORK TO CURRENT STEP

08/04/03 (423)

7.0

POWDER COATING

POWDER COATING



Comment: POWDER COATING

Powder Coat Grey Sandtex (Ref: 4.3.5.6) as per QSI 005 4.3

M 106442

BR 08-04-03

(23)

8.0

QC3

INSPECT POWDER COAT/CHEMICAL CONVERSION



Comment: INSPECT POWDER COAT/CHEMICAL CONVERSION

FZ 08/04/04 (23)

9.0

PACKAGING 1

PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Identify and Stock

Location: FR-17

BR 08-04-04

(23)

10.0

QC21

FINAL INSPECTION/W/O RELEASE



Comment: FINAL INSPECTION/W/O RELEASE

08/04/08

Job Completion



W 08-04-04

**Dart Aerospace Ltd**

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

<b>DART AEROSPACE LTD</b>		<b>Work Order:</b> 38162
<b>Description:</b> Wearshoe		<b>Part Number:</b> D3535-25
<b>Inspection Dwg:</b> D3535 <b>Rev:</b> B		<b>Page 1 of 1</b>

### FIRST ARTICLE INSPECTION CHECKLIST

☒ First Article    ☐ Prototype

Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
1.885	+/-0.010	1.889	*			
1.937	+/-0.010	1.937	*			
1.450	+/-0.010	1.450	*			
5.450	+/-0.010	5.450	*			
10.900	+/-0.010	10.900	*			
16.350	+/-0.010	16.350	*			
21.800	+/-0.010	21.800	*			
Ø0.188	+0.005/-0.001	.192	*			
12.750	+/-0.010	12.750	*			
6.75	+/-0.030	6.75	*			
6.00	+/-0.030	6.00	*			
0.300	+/-0.010	.304	*			
0.300	+/-0.010	.304				
0.038	+/-0.010	.034	*			

<b>Measured by:</b> JB	<b>Audited by:</b> S	<b>Prototype Approval:</b>	N/A
<b>Date:</b> 8-3-31	<b>Date:</b> 08/03/31	<b>Date:</b>	N/A

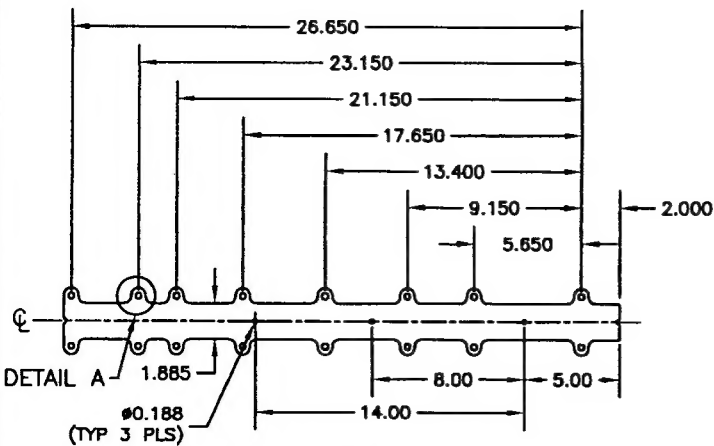
Rev	Date	Change	Revised by	Approved
A	07.11.23	New Issue	KJ/EC/DD	JA

**DART**

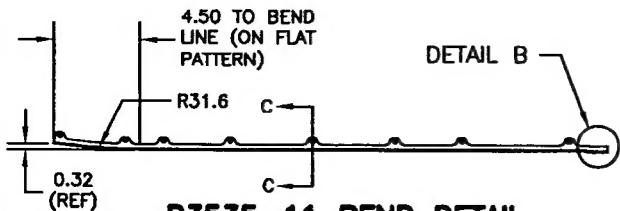
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07.04.24

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CB	PH	PORT HADLOCK, WA		
CHECKED	APPROVED	DRAWING NO.	REV. B	
<i>[Signature]</i>	<i>[Signature]</i>	D3535	SHEET 1 OF 7	
DATE		TITLE	SCALE	
07.04.17		WEARSHOE	1:10	
A	06.10.25	NEW ISSUE		
B	07.04.17	MOVE TAB OUTBOARD, ADD AMS SPEC		

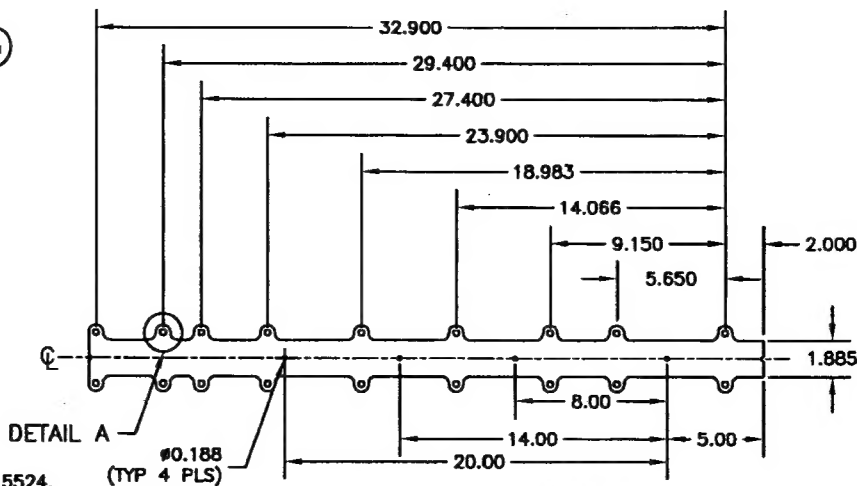


**D3535-11F FLAT PATTERN**

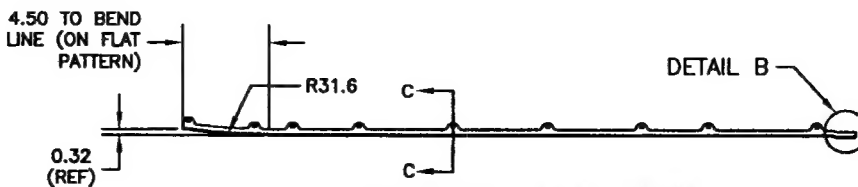


**D3535-11 BEND DETAIL**

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NO. 38162



**D3535-13F FLAT PATTERN**



**D3535-13 BEND DETAIL**

**NOTES**

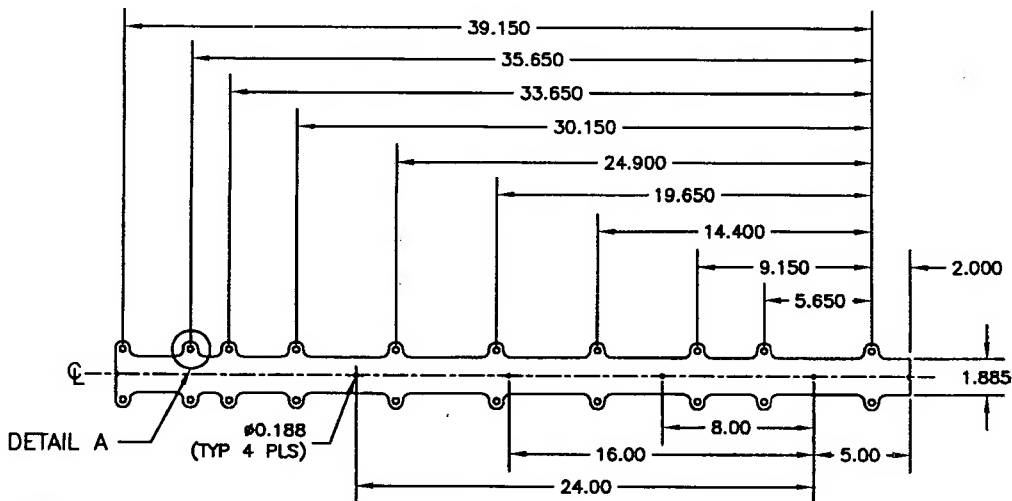
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- 2) FINISH: POWDER COAT GREY SANDTEX (4.3.5.6) PER QSI 005 4.3
- 3) PART IS SYMMETRICAL ABOUT C
- 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 5) ALL DIMENSIONS ARE IN INCHES
- 6) BREAK ALL SHARP EDGES TO 0.010 MAX
- 7) IDENTIFY WITH DART P/N USING WHITE FINE POINT PAINT MARKER
- 8) SEE PAGE 7 FOR DETAILS AND SECTION

**DART**

RELEASED

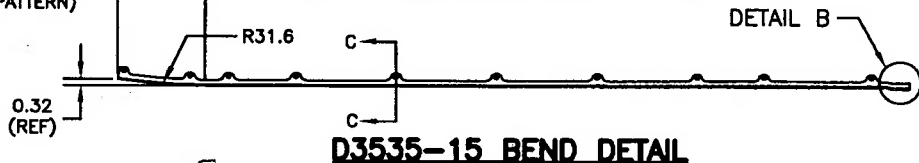
07.04.24

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CHECKED	<i>[Signature]</i>	APPROVED	<i>[Signature]</i>	PORT HADLOCK, WA
DATE	07.04.17	DRAWING NO.	D3535	REV. B
		TITLE	WEARSHOE	SHEET 2 OF 7
		SCALE	1:10	



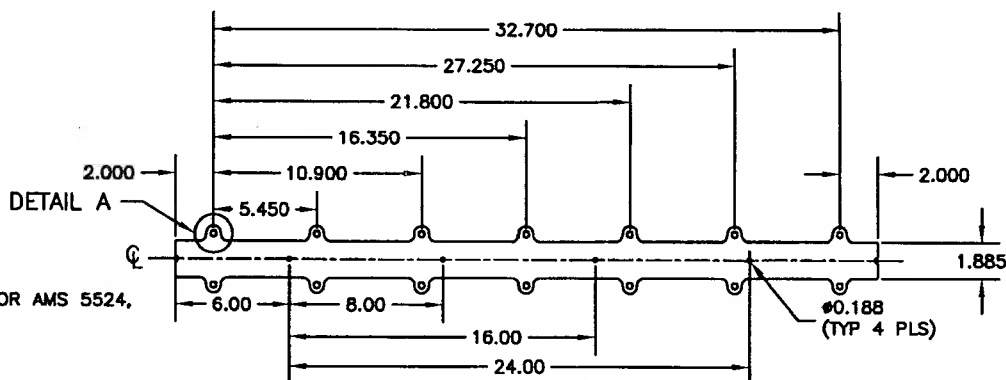
4.50 TO BEND  
LINE (ON FLAT  
PATTERN)

**D3535-15F FLAT PATTERN**

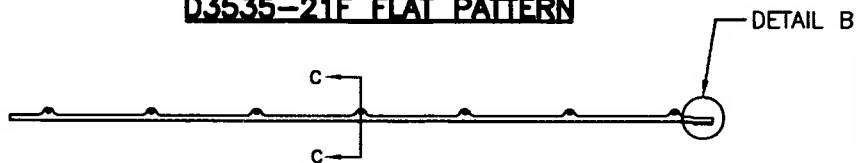


**D3535-15 BEND DETAIL**

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**D3535-21F FLAT PATTERN**



**D3535-21 BEND DETAIL**

**NOTES**

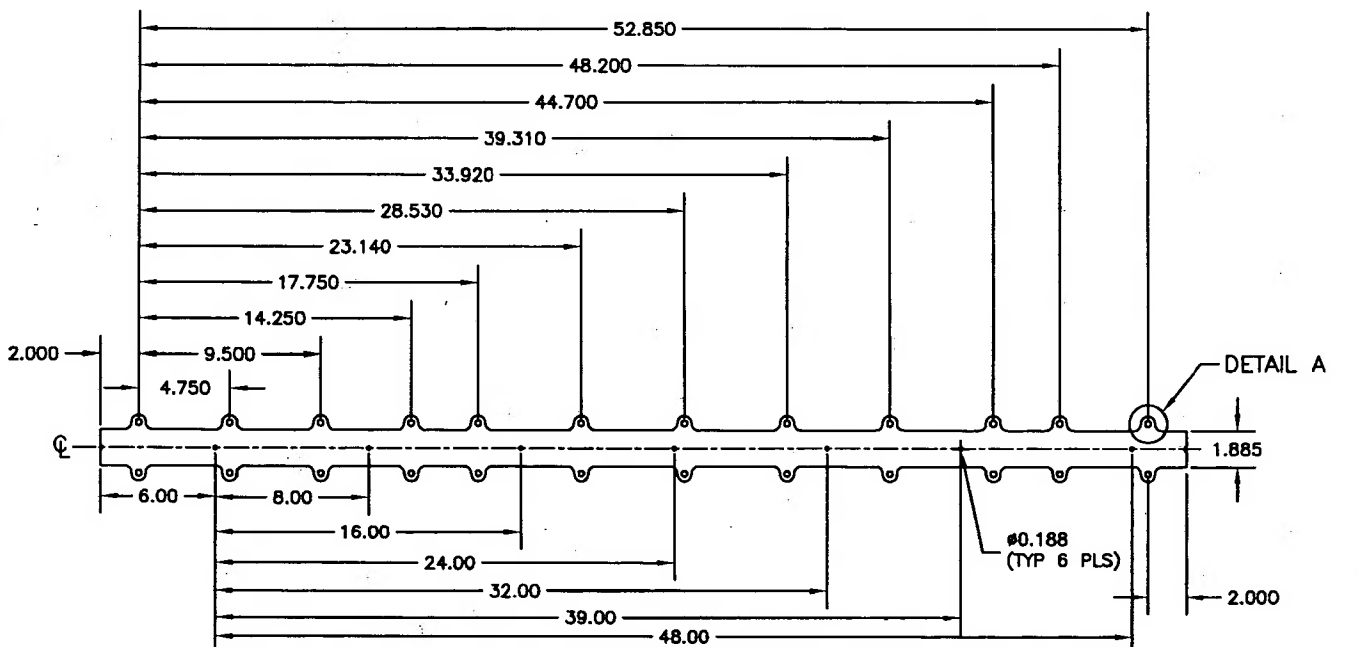
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- 2) FINISH: POWDER COAT GREY SANDTEX (4.3.5.6) PER QSI 005 4.3
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- 8) SEE PAGE 7 FOR DETAILS AND SECTION

**DART**

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07.04.24

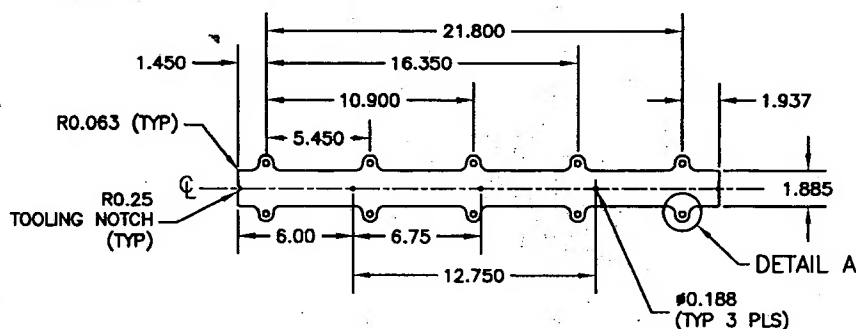
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CHECKED	PH	APPROVED	PH	PORT HADLOCK, WA
DATE	07.04.17	DRAWING NO.	D3535	REV. B
		TITLE	WEARSHOE	SHEET 3 OF 7
		SCALE	1:10	



**D3535-23F FLAT PATTERN**

**D3535-23 BEND DETAIL**

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**D3535-25F FLAT PATTERN**

**D3535-25 BEND DETAIL**

**NOTES**

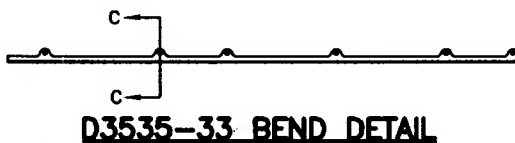
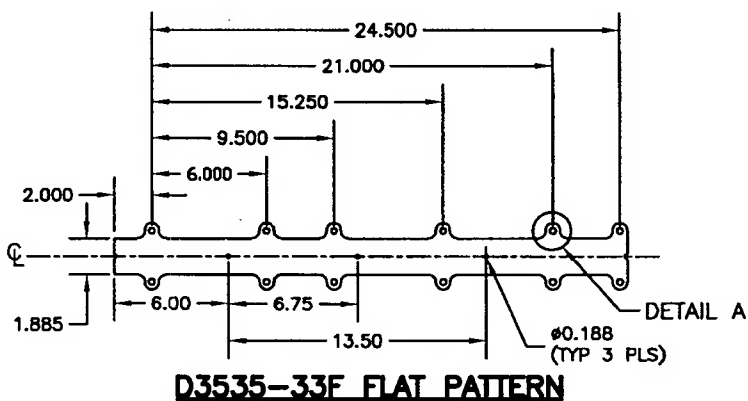
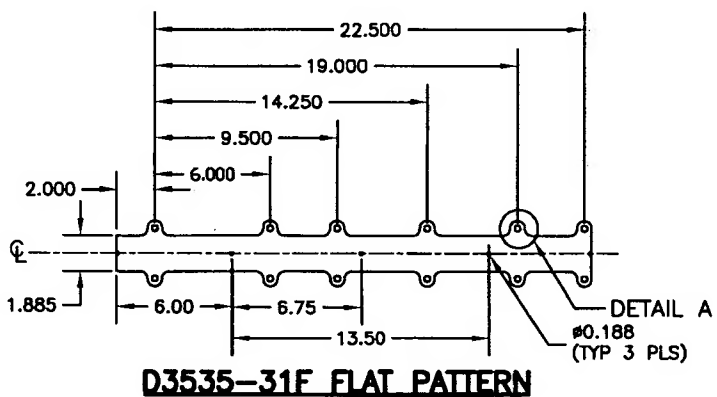
- 1) MATERIAL: AISI 304/316 SS SHEET PER AMS 5513 OR AMS 5524, 20 GAUGE (0.038 THICK) (REF DART SPEC M304S20GA)
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**NOTES**

- 1) MATERIAL: AISI 304/316 SS SHEET PER AMS 5513 OR AMS 5524, 20 GAUGE (0.038 THICK) (REF DART SPEC M304S20GA)
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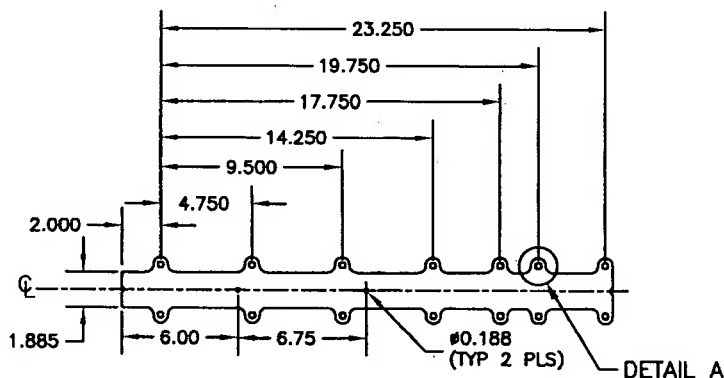
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CB	PH	PORT HADLOCK, WA
CHECKED	APPROVED	DRAWING NO.
PH	PH	D3535
DATE	TITLE	REV. B
07.04.17	WEARSHOE	SHEET 4 OF 7
		SCALE
		1:10

**DART**

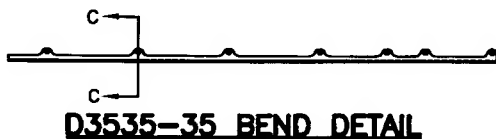
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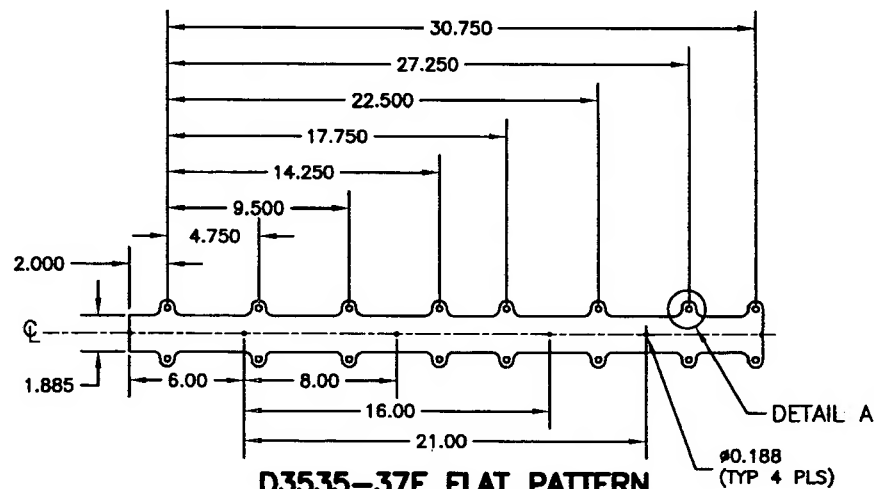
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CB	PH	PORT HADLOCK, WA	
CHECKED	APPROVED	DRAWING NO.	REV. B
<i>[Signature]</i>	<i>[Signature]</i>	D3535	SHEET 5 OF 7
DATE	TITLE	WEARSHOE	SCALE
07.04.17			1:10



**D3535-35F FLAT PATTERN**



**D3535-35 BEND DETAIL**



**D3535-37F FLAT PATTERN**



**D3535-37 BEND DETAIL**

**NOTES**

- 1) MATERIAL: AISI 304/316 SS SHEET PER AMS 5513 OR AMS 5524, 20 GAUGE (0.038 THICK) (REF DART SPEC M304S20GA)
- 2) FINISH: POWDER COAT GREY SANTEX (4.3.5.6) PER QSI 005 4.3
- 3) PART IS SYMMETRICAL ABOUT  $\phi$
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- 6) BREAK ALL SHARP EDGES TO 0.010 MAX
- 7) IDENTIFY WITH DART P/N USING WHITE FINE POINT PAINT MARKER
- 8) SEE PAGE 7 FOR DETAILS AND SECTION

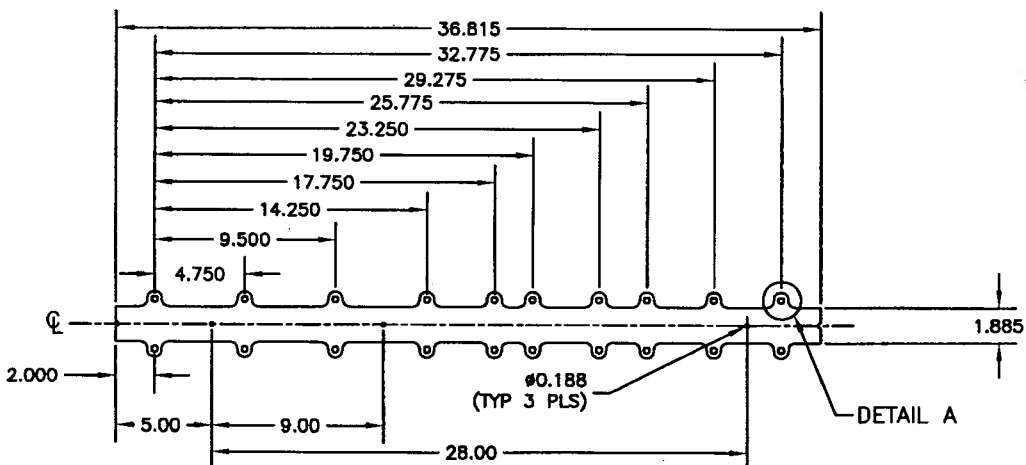
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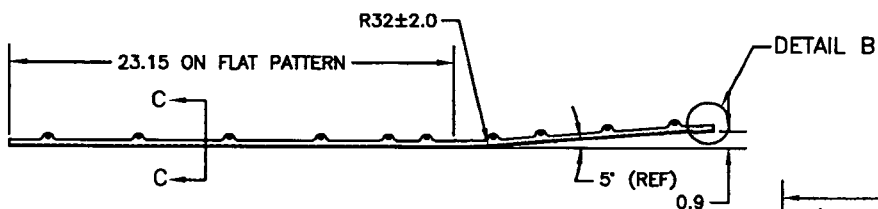
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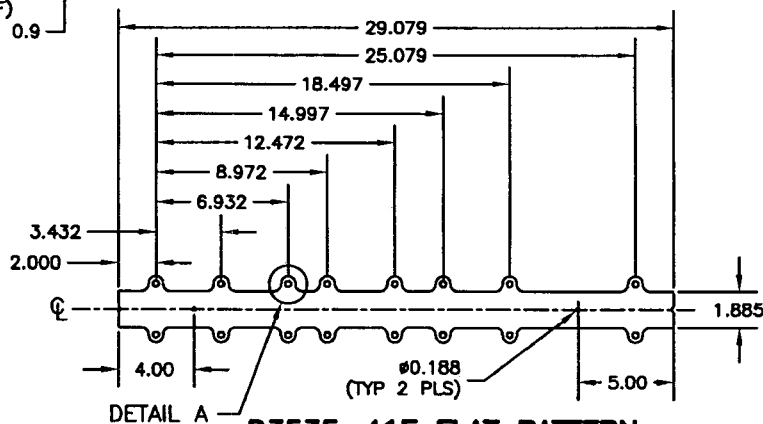
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		TITLE	WEARSHOE	SHEET 6 OF 7
		SCALE	1:10	



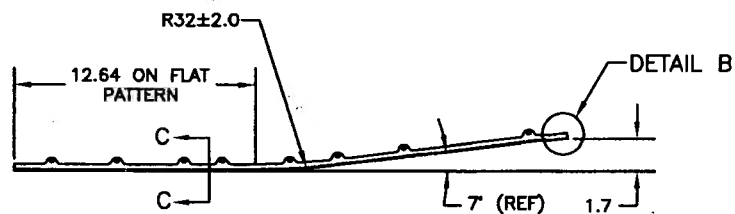
**D3535-39F FLAT PATTERN**



**D3535-39 BEND DETAIL**



**D3535-41F FLAT PATTERN**



**D3535-41 BEND DETAIL**

**NOTES**

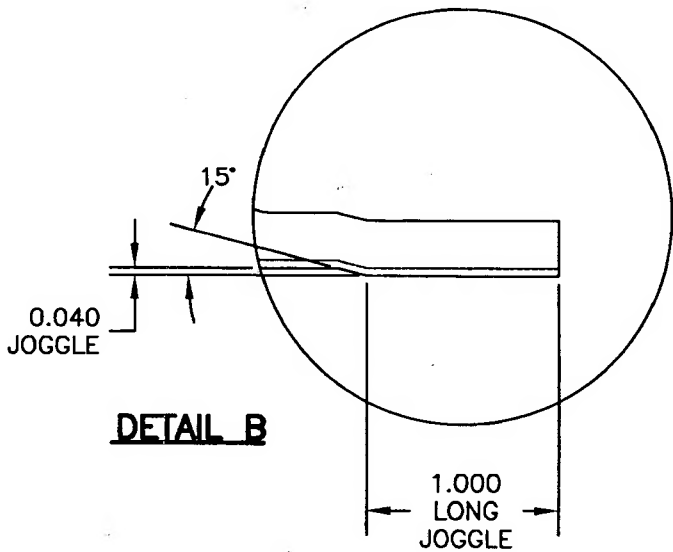
- 1) MATERIAL: AISI 304/316 SS SHEET PER AMS 5513 OR AMS 5524, 20 GAUGE (0.038 THICK) (REF DART SPEC M304S20GA)
- 2) FINISH: POWDER COAT GREY SANDTEX (4.3.5.6) PER QSI 005 4.3
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WORK ORDER  
NO. 38162

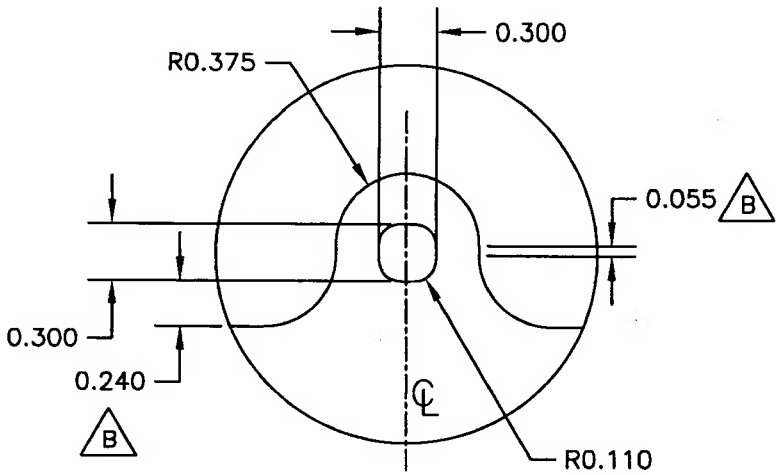


DESIGN	C.B.	DRAWN BY	M	DART AEROSPACE USA, INC.
CHECKED		APPROVED		PORT HADLOCK, WA
DATE	07.04.17	DRAWING NO.	D3535	REV. B
		TITLE	WEARSHOE	SHEET 7 OF 7
		SCALE	1:1	

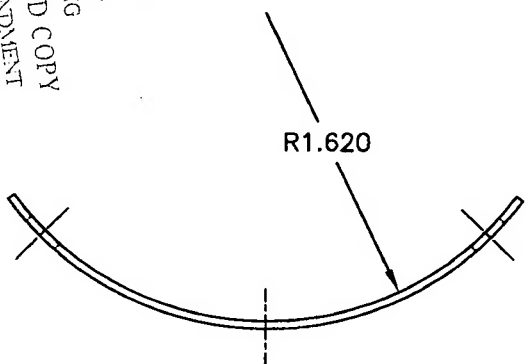
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07.04.24



DETAIL B



DETAIL A



SECTION C-C

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NO. 38162